

**Supplemental 2:** Transcripts associated with AMPK signaling pathway differentially expressed in colonic  $\rho^0$  and TNF treated (control and  $\rho^0$ ) cells relative to control cells ( $>|1.5|$ -fold change compared to control untreated cells , FDR < 0.05, Ebsseq).

<b>AMPK Signaling pathway</b>	<b><math>\rho^0</math></b>	<b>TNF</b>	<b><math>\rho^0</math> TNF</b>
AKT3	12.56	N/A	14.78
PRKAA2	8.41	N/A	6.49
ADRB2	6.68	N/A	6.07
PIK3R3	5.63	N/A	4.62
CREB5	3.16	N/A	5.67
p21	3.86	N/A	4.07
PPP2R5B	2.24	N/A	3.23
IRS2	1.91	N/A	1.72
GLUT1	1.97	N/A	1.65
MRAS	1.60	N/A	1.64
ULK1	1.62	N/A	1.58
PPP2R3B	-1.79	N/A	N/A
SMARCD2	-1.66	N/A	-1.62
CHRNA5	-1.70	N/A	-1.66
CCNA2	-1.61	N/A	-1.83
IRS1	-1.61	N/A	-1.88
PRKAR1B	-2.20	N/A	-1.68
AK7	-2.01	N/A	-2.89
ACACA	-2.51	N/A	-2.72

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